

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1529	filter with overlay	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 14:34
L3	22	L2 and speech near2 (recognition or processing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 14:36
L4	86	(filter\$3 near5 overlay) same (recognition or processing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 14:40
L5	1	(filter\$3 near5 overlay) same ((speech or voice) near2 (recognition or processing))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 15:00
L6	20	(filter\$3 near5 overlay) and ((speech or voice) near2 (recognition or processing))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 15:02
L7	2344	(filter\$3 near5 (speech or voice) near3 (signal or input)) same process\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 15:07
L8	539	I7 and "704"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 15:04

## EAST Search History

L9	23034	("704").CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/01 15:04
L10	1034	I7 and L9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 15:05
L11	25820	(speech near2 recognition) and processing (filter\$3 near5 (speech or voice) near3 (signal or input))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 15:07
L12	894	(speech near2 recognition) and processing and(filter\$3 near5 (speech or voice) near3 (signal or input))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 15:07
L13	894	(speech near2 recognition) and processing and (filter\$3 near5 (speech or voice) near3 (signal or input))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 15:07
L14	652	I12 and I9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 15:08
L15	838	(704/231).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/01 15:08

## EAST Search History

L16	1707	(704/270).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/01 15:08
L17	72	l14 and (L15 or L16)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 15:27
L18	117	speech near2 recognition near2 system near8 filter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 15:40
L19	60	l18 and (L9 or L16)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 15:38
L20	11	speech near2 recognition near2 system near8 filter near5 noise	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 15:44
L21	327	(speech near6 filter\$3 near3 noise) same process\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 15:45
L22	79	(premature or early or anticipated) adj command	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 15:45

## EAST Search History

L23	199	l21 and (l9 or l22)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 15:47
L24	14	l21 and (l15 or l16)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 15:49
L25	212	processing near3 filter\$2 near3 speech	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 15:54
L26	7	l25 and (l15 or l16)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 16:07
L27	1	(speech near2 recognition near2 system) with (filter\$3 near5 noise near8 process\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 16:08
S1	5	((UMA) near2 (ARUN)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/27 08:58
S2	0	((UMA) near2 (ARUN)).INV.	EPO; JPO; DERWENT	OR	ON	2007/02/27 08:24
S3	23023	("704").CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/27 08:58

## EAST Search History

S4	838	(704/231).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/27 09:00
S5	1707	(704/270).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/27 09:01
S6	80	(premature or early or anticipated) adj (enunciator or enunciation or pronunciation or speak or speech or utterance or articulation or articulator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 10:38
S7	78	(premature or early or anticipated) adj command	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 11:00
S8	27	speech adj recognition and ((early or premature) near (utterance or utter or spoken or speak\$3 or input))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 11:03
S9	0	speech adj input adj before adj (ready or on or start)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 11:31
S10	0	speech near input near before near (ready or on or start)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 11:32

## EAST Search History

S11	19	speech near5 input near5 before near5 (ready or on or start)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 11:44
S12	13472	(( "50" or "100" ) near (ms or milliseconds)) same period	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 11:46
S13	131	S12 and S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 11:47
S14	39	S13 and listen\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 11:52
S15	43	(speech adj recognition) with (activat\$3 and receiv\$3 and adjust\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 12:55
S16	1	(speech adj recognition) with (activat\$3 and receiv\$3 and ((earl\$3 or premature) near5 detect\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 12:57
S17	11	(speech adj recognition) with ((earl\$3 or premature) near5 detect\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 13:04

## EAST Search History

S18	0	"50 to 100 ms"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 13:05
S19	2	speech before onset	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/27 13:07
S20	5	early near detection near speech	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 13:56
S21	0	earlier near detection near speech	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 13:55
S22	3	speech adj recognition with barge adj in	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 14:08
S23	77	speech adj recognition with ("barge in" or barge-in or barged-in or "barged in")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 14:33
S24	201	speech adj recognition and (listening same period)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 14:35

## EAST Search History

S25	2	premature adj enunciator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 14:36
S26	7	filter same sound near5 overlays	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 14:41
S27	30388	speech adj recognition	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 14:42
S28	1524	filter with overlay	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 14:33
S29	18	S27 and S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 14:48
S30	908	filter near5 overlay	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 14:49
S31	182	filter adj overlay	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 14:49



## EAST Search History

S32	0	S31 and S27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 14:51
S33	6	listen\$3 with (earlier same time adj interval)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 16:06
S34	5	listen\$3 same (earlier with time adj interval)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 16:08
S35	150	receive near3 input with (before or afore or ante or anteriorly or "in advance" or precedently or sooner) with (onset or ready or start\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 16:18
S36	4	receive near3 input with (before or afore or ante or anteriorly or "in advance" or precedently or sooner) with listen\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 16:13
S37	1	recognition with earl\$3 near5 (listening or detecting or recording) near5 period	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 16:21
S38	130	earl\$3 near5 (listening or detecting or recording) near5 period	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 16:22

## EAST Search History

S39	4	(speech or voice or input) with earl\$3 near5 (listening or detecting or recording) near5 period	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 16:24
S40	3877	(precipitat\$2 or anticipativ\$3 or anticipat\$2 or precipitant or early or premature) near5 (speak\$3 or enounciat\$3 or delivery or utterance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 16:32
S41	101	S40 and S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 16:31
S42	2899	(precipitat\$2 or precipitant or early or premature) near5 (speak\$3 or enounciat\$3 or delivery or utterance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 16:32
S43	32	S42 and S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 07:49
S44	57	detect with ("bargе adj in" or barge-in or barged-in or "barged in")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 08:12
S45	122	detect\$3 with ("bargе adj in" or barge-in or barged-in or "barged in")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 08:15

## EAST Search History

S46	101	(detect\$3 with ("barge adj in" or barge-in or barged-in or "barged in")) and (speech adj recognition)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 09:17
S47	2	("5765130").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/28 09:45
S48	2045	adjust\$4 near5 (activat\$3 or recogni\$4) near5 (time or period)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 11:34
S49	88	S48 and speech	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 09:48
S50	20	adjust\$4 near5 (activat\$3 or recogni\$4) near3 (time or period) same ((speech adj recognition) or (recognition adj system))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 11:41
S51	146927	speech recognition and (adjust\$4 or modif\$3) with (activation near3 time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 12:51
S52	146927	speech recognition and ((adjust\$4 or modif\$3) with (activation near3 time))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 12:55

## EAST Search History

S53	838	(704/231).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/28 12:52
S54	731	S52 and S53	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 12:52
S55	23023	("704").CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/28 12:52
S56	15195	S52 and S55	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 12:53
S57	1707	(704/270).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/28 12:53
S58	1315	S52 and S57	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 12:54
S59	4	(speech adj recognition) and ((adjust\$4 or modif\$3) with (activation near3 time))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 12:56

## EAST Search History

S60	24	adjust\$4 same onset same recognition same time	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 13:01
S61	4	(adjust or adjustable) with activation with time with recognition	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 13:05
S62	2173	(chang\$3 or alter\$3 or modif\$4 or adapt\$4) with ((start\$3 adj time) or onset or activat\$3 or trigger) with recogni\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 13:20
S63	263	S62 and speech	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 13:18
S64	488	(chang\$3 or alter\$3 or modif\$4 or adapt\$4) near5 ((start\$3 adj time) or onset or activat\$3 or trigger) near5 recogni\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 13:21
S65	55	S64 and speech	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 13:29
S66	46	S64 and (speech adj recognition)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 13:49

## EAST Search History

S67	3	("6904405").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/28 14:12
S68	2	start with recognition with before with ready with signal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 14:13
S69	1	algorithm intelligent speech recognition	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/28 14:35
S70	2	("6012030").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/28 15:42
S71	34	(detect\$3 near2 speech) near8 (prior or earl\$3 or before) near5 input	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 08:43
S72	2	2003/0055655	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 09:35
S73	2	("20030055655").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/01 09:35